

LITHOLOGY OF CORE SAMPLES SUBMITTED FOR ASSAY<sup>1/</sup>

Whatley corehole 1, El Paso Natural Gas Company, NE1/4NE1/4 sec. 2, T. 7 S.,  
R. 100 W., Garfield County, Colo.

Surface Elevation 6371.3 feet Total Depth 650 feet Mahogany Marker 525.5 feet

From	To	Description
0	50	No sample.
50	79	Marlstone, lt gr, wh, and bf.
79	92	Marlstone and tuff, lt gr, wh, bf.
92	105	Marlstone, lt gr and wh.
105	115	Silty marlstone, lt gr.
115	124	Marlstone, lt gr to wh.
124	125	Marlstone, dk gr.
125	133	Marlstone, lt gr to wh.
133	135	Marlstone, lt gr, with thin streaks of dk gr marlstone.
135	136	Marlstone, dk br.
136	143	Marlstone, lt gr, with thin stringers of dk gr marlstone.
143	148	Marlstone, lt gr.
148	153	Tuff, lt bf.
153	155	Tuff, wh.
155	157	Marlstone, lt gr.
157	163	Tuff, wh.
163	173	Tuff, wh.
173	175	Tuff, wh.
175	183	Marlstone, lt and dk gr.
183	187	Marlstone, lt gr.
187	187.2	Tuff, wh.
187.2	193	Marlstone, wavey-bedded, gr and br.
193	195.5	Marlstone, blk.
195.5	205	Marlstone, med. and lt gr.
205	207.5	Marlstone, lt gr and bf.
207.5	210	Marlstone, blk.
210	220	Marlstone, lt tan and lt br.
220	232	Marlstone, wh to bf.
232	235	Marlstone, br, wavey-bedded with crystal cavities.
235	250	Marlstone, lt and dk br.
250	251	Marlstone, dk gr.
251	251.5	Tuff, dirty-wh.
251.5	254	Marlstone, dk gr.
254	262	Tuff, dirty wh to bf.
262	265	Marlstone, gr.
265	270	Marlstone, gr.
270	272.5	Marlstone, lt gr.
272.5	275	Marlstone, dk gr.
275	280	Marlstone, gr.
280	295	Marlstone, gr, with some crystal cavities.
295	310	Marlstone, gr and lt br, with some crystal cavities.
310	325	Marlstone, lt and dk gr.
325	333	Marlstone, gr.

Illustration No. SBR-2263P

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming February 24, 1958

1/ Descriptions by H. N. Smith.

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Whatley corehole 1, El Paso Natural Gas Company, NEL/4NEL/4 sec. 2, T. 7 S., R. 100 W., Garfield County, Colo. (Con.)

Surface Elevation 8371.3 feet Total Depth 650 feet Mahogany Marker 525.5 feet

From	To	Description
333	348	Marlstone, lt and dk gr.
348	363	Marlstone, lt gr and dk gr, with few 1/2-1" bands of dirty wh and bf tuff.
363	373	Marlstone, lt gr, dk gr, and blk.
373	376	No core.
376	390	Marlstone, lt gr, dk gr, and blk.
390	405	Marlstone, dk gr, compact and uniform.
405	420	Marlstone, dk gr to blk.
420	439	Marlstone, dk gr.
439	445	No core.
445	453	Marlstone, dk gr and blk.
453	453.2	Tuff, br.
453.2	454.3	Marlstone, dk gr and blk.
454.3	454.6	Tuff, br.
454.6	456	Marlstone, dk gr and blk.
456.0	456.2	Tuff, bf.
456.2	459	Marlstone, dk gr and blk.
459	459.5	Tuff, grnish-br.
459.5	475.6	Marlstone, dk gr, uniform, compact.
475.6	477	Tuff, wh, med-grained.
477	495	Marlstone, dk gr, compact, uniform.
495	500	Marlstone, dk gr and blk.
500	503	Marlstone, lt gr.
503	505	Marlstone, bf and lt gr.
505	510	Marlstone, bf and lt gr.
510	512.5	Marlstone, lt gr and dk gr.
512.5	515	Marlstone, lt gr and bf.
515	517	Marlstone, banded br and blk. A 2" band of gr, coarse-grained tuff occurs at 515.6 feet and a 5" band of gr and br, coarse-grained tuff occurs at 516-516.4 feet.
517	525.5	Marlstone, lt br, lt gr, and gr, well-bedded.
525.5	526	Analcite tuff, gr to grish-br, med-grained, with vertical fracture. (Mahogany marker.)
526	528	Marlstone, lt gr.
528	529.2	Marlstone, banded lt tan and lt br.
529.2	535	Marlstone, dk gr, dk br, and blk.
535	545	Marlstone, blk, compact, uniform.
545	555	Marlstone, dk gr and blk.
555	560	Marlstone, dk gr and dk br.
560	563	Marlstone, lt br, bf, and wh.
563	565	Marlstone, banded dk br, lt br, and blk. A 2" band of bluish-gr analcite tuff occurs at 563.4 feet.
565	563	Marlstone, dk gr, dk br, and blk.
563	571	Marlstone, lt tan and bf.

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